

## **Abstract**

5 In a method for transmitting measured values between two measurement transmitters, which transmit, via two communication connections, digital signals according to the master/slave principle and analog signals to a control system, which serves as master, the digital signals are also transmitted between the two measurement transmitters via an additional communication connection and the incoming digital 10 signals in the receiver measurement transmitter are examined for at least one characteristic value of the transmitting measurement transmitter, in order to find measured values needed for evaluation in the receiver measurement transmitter.

15 (Fig.

1)